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# RAW SEQUENCE LISTING

## PATENT APPLICATION US/09/109,864

 DATE: 07/13/98  
 TIME: 10:19:34

Input Set: I109864.RAW

This Raw Listing contains the General Information  
 Section and up to first 5 pages.

Does Not Comply  
 Corrected Diskette Needed

1 <110> APPLICANT: Ni, Jian  
 2 Gentz, Reiner  
 3 Rosen, Craig A.  
 4 Human Genome Sciences, Inc.  
 5 <120> TITLE OF INVENTION: Galectin 11  
 6 <130> FILE REFERENCE: PF354P1  
 7 <140> CURRENT APPLICATION NUMBER: US/09/109,864  
 8 <141> CURRENT FILING DATE: 1998-07-06  
 9 <150> EARLIER APPLICATION NUMBER: 90/010,146  
 10 <151> EARLIER FILING DATE: 1998-01-21  
 11 <150> EARLIER APPLICATION NUMBER: 60/034,205  
 12 <151> EARLIER FILING DATE: 1997-01-21  
 13 <150> EARLIER APPLICATION NUMBER: 60/034,204  
 14 <151> EARLIER FILING DATE: 1997-01-21  
 15 <160> NUMBER OF SEQ ID NOS: 12  
 16 <170> SOFTWARE: PatentIn Ver. 2.0  
 17 <210> SEQ ID NO 1  
 18 <211> LENGTH: 865  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Homo sapiens  
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 24 gtacggggac tggctctgca agagccgaag cattttactg tgagcctgag ggaccaggct 180  
 25 gcccatgctc ctgtgacact cagggcctcc ttcgcagaca gaactctggc ctggatctcc 240  
 26 cgctgggggc agaagaaact gatctcagcc cccttctct tttaccccca gagattcttt 300  
 27 gaggtgctgc tctgttcca ggaggagggt ctgaagctgg cgctcaatgg gcaggggctg 360  
 28 ggggccacca gcatgaacca gcaggcctg gagcagctgc gggagctccg gatcagtggg 420  
 29 agtgtccagc tctactgtgt ccactcctga aggatgggtc caggaaatac cgcagaaaac 480  
 30 aagagtcagc cactccccag ggccccactc tctccccctc attaaaccat ccacctgaac 540  
 31 accagcacat cagggcctgg ttacactctg gggtcacgag actgagtcta caggagcttt 600  
 32 gggcctgagg gaaggcaca gagtgcaaag gttcctcgaa ctctgcacct tctccacca 660  
 33 ggagcctggg atatggctcc atctgccttc agggcctgga ctgcactcac agaggcaagt 720  
 34 gttgtagact aacaaagata ctccaaaata caatggctta aagaatgtgg tcattttattc 780  
 35 tttattattt atttatttgt ggtcaaataa ataaataagg ttattttattt aaaaaaaaaa 840  
 36 aaaaaaaaaa aaaaaaaaaa aaaaaa 865  
 37 <210> SEQ ID NO 2  
 38 <211> LENGTH: 133  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Homo sapiens  
 41 <400> SEQUENCE: 2  
 42 Met Ser Pro Arg Leu Glu Val Pro Cys Ser His Ala Leu Pro Gln Gly  
 43 1 5 10 15  
 44 Leu Ser Pro Gly Gln Val Ile Ile Val Arg Gly Leu Val Leu Gln Glu

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45          20          25          30
46  Pro Lys His Phe Thr Val Ser Leu Arg Asp Gln Ala Ala His Ala Pro
47          35          40          45
48  Val Thr Leu Arg Ala Ser Phe Ala Asp Arg Thr Leu Ala Trp Ile Ser
49          50          55          60
50  Arg Trp Gly Gln Lys Lys Leu Ile Ser Ala Pro Phe Leu Phe Tyr Pro
51          65          70          75          80
52  Gln Arg Phe Phe Glu Val Leu Leu Leu Phe Gln Glu Gly Gly Leu Lys
53          85          90          95
54  Leu Ala Leu Asn Gly Gln Gly Leu Gly Ala Thr Ser Met Asn Gln Gln
55          100          105          110
56  Ala Leu Glu Gln Leu Arg Glu Leu Arg Ile Ser Gly Ser Val Gln Leu
57          115          120          125
58  Tyr Cys Val His Ser
59          130

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60 <210> SEQ ID NO 3
61 <211> LENGTH: 145
62 <212> TYPE: PRT
63 <213> ORGANISM: Rattus norvegicus
64 <400> SEQUENCE: 3

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67  Phe Phe Thr Ser Ile Pro Asn Gly Leu Tyr Pro Ser Lys Ser Ile Val
68      20          25          30
69  Ile Ser Gly Val Val Leu Ser Asp Ala Lys Arg Phe Gln Ile Asn Leu
70      35          40          45
71  Arg Cys Gly Gly Asp Ile Ala Phe His Leu Asn Pro Arg Phe Asp Glu
72      50          55          60
73  Asn Ala Val Val Arg Asn Thr Gln Ile Asn Asn Ser Trp Gly Pro Glu
74      65          70          75          80
75  Glu Arg Ser Leu Pro Gly Ser Met Pro Phe Ser Arg Gly Gln Arg Phe
76      85          90          95
77  Ser Val Trp Ile Leu Cys Glu Gly His Cys Phe Lys Val Ala Val Asp
78      100          105          110
79  Gly Gln His Ile Cys Glu Tyr Ser His Arg Leu Met Asn Leu Pro Asp
80      115          120          125
81  Ile Asn Thr Leu Glu Val Ala Gly Asp Ile Gln Leu Thr His Val Glu
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83  Thr
84      145
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86 <211> LENGTH: 318
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 4
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91      1          5          10          15
92  Ile Pro Phe Val Gly Thr Ile Pro Asp Gln Leu Asp Pro Gly Thr Leu
93      20          25          30
94  Ile Val Ile Arg Gly His Val Pro Ser Asp Ala Asp Arg Phe Gln Val

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96  Asp Leu Gln Asn Gly Ser Ser Met Lys Pro Arg Ala Asp Val Ala Phe
97          50          55          60
98  His Phe Asn Pro Arg Phe Lys Arg Ala Gly Cys Ile Val Cys Asn Thr
99          65          70          75          80
100 Leu Ile Asn Glu Lys Trp Gly Arg Glu Glu Ile Thr Tyr Asp Thr Pro
101          85          90          95
102 Phe Gln Lys Glu Lys Lys Ser Phe Glu Ile Val Ile Met Val Leu Lys
103          100          105          110
104 Ala Lys Phe Gln Val Ala Val Asn Gly Lys His Thr Leu Leu Tyr Gly
105          115          120          125
106 His Arg Ile Gly Pro Glu Lys Ile Asp Thr Leu Gly Ile Tyr Gly Lys
107          130          135          140
108 Val Asn Ile His Ser Ile Gly Phe Ser Phe Ser Ser Asp Leu Gln Ser
109          145          150          155          160
110 Thr Gln Ala Ser Ser Leu Glu Leu Thr Glu Ile Ser Arg Glu Asn Val
111          165          170          175
112 Pro Lys Ser Gly Thr Pro Gln Leu Arg Leu Pro Phe Ala Ala Arg Leu
113          180          185          190
114 Asn Thr Pro Met Gly Pro Gly Arg Thr Val Val Val Lys Gly Glu Val
115          195          200          205
116 Asn Ala Asn Ala Lys Ser Phe Asn Val Asp Leu Leu Ala Gly Lys Ser
117          210          215          220
118 Lys Asp Ile Ala Leu His Leu Asn Pro Arg Leu Asn Ile Lys Ala Phe
119          225          230          235          240
120 Val Arg Asn Ser Phe Leu Gln Glu Ser Trp Gly Glu Glu Glu Arg Asn
121          245          250          255
122 Ile Thr Ser Phe Pro Phe Ser Pro Gly Met Tyr Phe Glu Met Ile Ile
123          260          265          270
124 Tyr Cys Asp Val Arg Glu Phe Lys Val Ala Val Asn Gly Val His Ser
125          275          280          285
126 Leu Glu Tyr Lys His Arg Phe Lys Glu Leu Ser Ser Ile Asp Thr Leu
127          290          295          300
128 Glu Ile Asn Gly Asp Ile His Leu Leu Glu Val Arg Ser Trp
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<211> LENGTH: 30

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

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<211> LENGTH: 28

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

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<210> SEQ ID NO 7

<211> LENGTH: 32

<212> TYPE: DNA

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150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 8
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155 <211> LENGTH: 44
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
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159      cgccccgggg ccatcatggc ctatcatgag cccaggctg gagg          44
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162 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
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167 <211> LENGTH: 22
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 11
171      ggaatctaga tcaggagtgg ac          22
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173 <211> LENGTH: 865
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapiens
176 <220> FEATURE:
177 <221> NAME/KEY: source
178 <222> LOCATION: Complement((1)..(865))
179 <223> OTHER INFORMATION: Reversed Complementary
180 <400> SEQUENCE: 12
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183      tggagtatct ttgttagtct acaacacttg cctctgtgag tgcagtccag gccctgaagg 180
184      cagatggagc catatcccag gctcctgggtg gaggaagggtg cagagttcga ggaacctttg 240
185      cactcttggtg ccttccctca ggcccaaagc tcctgtagac tcagtctcgt gacccagag 300
186      gtgaaccagg ccctgatgtg ctggtgttca ggtggatggt ttaatgaggg gaggagagtg 360
187      gggccctggg gagtggctga ctcttgtttt ctgcggtatt tcctggaacc atccttcagg 420
188      agtggacaca gtagagctgg acacttccac tgatccggag ctcccgagc tgcctcaggg 480
189      cctgctgggt catgctgggt gccccagcc cctgcccatt gagegccagc ttcagccctc 540
190      cctcctggaa caggagcagc acctcaaaga atctctgggg gtaaaagagg aagggggctg 600
191      agatcagttt cttctgcccc cagcgggaga tccaggccag agttctgtct gcgaaggagg 660
192      ccctgagtgt cacaggagca tgggcagcct ggtccctcag gctcacagta aaatgcttcg 720
193      gctcttgcaa gaccagtccc cgtactatga tgacctgcc aggcgagaga ccctggggaa 780
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Input Set: I109864.RAW

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865

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